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23 March 1964

MEMORANDUM FOR: Chairman, Technical Development Committee

THROUGH : Executive Secretary, TDC

SUBJECT : Staff Study - A Modified Light Table with [REDACTED]
DynaZoom Mount for TID

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1. PROBLEM:

To provide TID with a specialized light table to facilitate film evaluations of original negatives.

2. FACTS:

a. TID is currently using a DynaZoom microscope provided by P&DS for film evaluations and photomicrograph work.

b. The DynaZoom appears ideally suited for the intended task; however, it is designed for use with microscope slides and is therefore only useful for viewing film in the form of chips.

c. The original negatives cannot be cut; consequently, a modified mounting is required to permit the use of the DynaZoom with roll film.

d. The contemplated modification consists of a [REDACTED] Model GFL-940MC to which has been added a [REDACTED] DynaZoom ring mount which incorporates a fine focus mechanism. The microscope will translate in Y while the X motion is provided by translation of the film; in addition, the modification includes a tracking condenser light source which is required to provide adequate light at magnifications above 100X.

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e. At the request of P&DS, [REDACTED] has tendered a proposal for a [REDACTED] fixed price contract.

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f. The conception and development of this modified film viewing unit has been coordinated with [REDACTED] of TID.

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3. CONCLUSIONS:

a. The development of the proposed [REDACTED] mount should provide TID with a flexible tool for use in conducting scientific qualitative evaluations of the original negatives.

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b. This modification could prove useful for other purposes; e.g., specialized photo interpretation problems where ultra-high magnification is required.

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4. RECOMMENDATION:

That NPIC sponsor and P&DS monitor a [REDACTED] fixed price
contract for the subject modified light table.

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[REDACTED]
Development Branch, P&DS

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